



MIAMI-DADE COUNTY
DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera

T.M. Windows LLC
601 N.W. 12th Ave.
Pompano Beach, FL 33609

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "338" Aluminum Fixed Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W03-52**, titled "Series 338 Aluminum Fixed Window (L.M.I.)", sheets 1 through 5 of 5, dated 07/11/03, with revision I dated 02/22/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA # 10-1214.13 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



MP
5/9/12

NOA No. 12-0309.06
Expiration Date: January 08, 2014
Approval Date: May 17, 2012
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS


1. Manufacturer's die drawings and sections.
2. Drawing No **W03-52**, titled "Series 338 Aluminum Fixed Window (L.M.I.)", sheets 1 through 5 of 5, dated 07/11/03, with revision I dated 02/22/12, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of Series 338 Aluminum Fixed Window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-5276**, dated 07/06/07, signed and sealed by Carlos S. Rionda, P.E.
(Submitted under previous NOA No. 07-1120.10)
2. Test reports on: 1) Air Infiltration Test, per SFBC, PA 202
2) Uniform Static Air Pressure Test, Loading per SFBC, PA 202
3) Water Resistance Test, per SFBC, PA 202
4) Large Missile Impact Test, per SFBC, PA 201
5) Cyclic Wind Pressure Loading, per SFBC, PA 203
along with marked-up drawings and installation diagram of an aluminum fixed window, prepared by Fenestration Testing Laboratories, Inc., Test Reports No. **FTL-2782**, and **FTL-2784**, dated 11/06/01, signed and sealed by Luis Figueredo, P.E.; and Test Report No. **FTL-3803**, dated 05/22/03, signed and sealed by Joseph Chan, P.E. **(Submitted under previous NOA No. 03-0925.04)**
3. Test reports on: 1) Air Infiltration Test, per SFBC, PA 202
2) Uniform Static Air Pressure Test, Loading per SFBC, PA 202
3) Water Resistance Test, per SFBC, PA 202
4) Large Missile Impact Test, per SFBC, PA 201
5) Cyclic Wind Pressure Loading, per SFBC, PA 203
along with marked-up drawings and installation diagram of an aluminum fixed window, prepared by American Testing Lab of South Florida, Test Report No. **ATL 0806.02-02**, dated 09/24/02, signed and sealed by William R. Mehner, P.E.
(Submitted under previous NOA No. 03-0925.04)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by Al-Farooq Corporation, dated 10/28/10, signed and sealed by Javad Ahmad, P. E.
(Submitted under previous NOA#10-1214.13)
2. Glazing complies with ASTM E1300-04


Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0309.06
Expiration Date: January 08, 2014
Approval Date: May 17, 2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

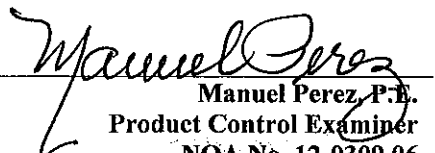
1. Notice of Acceptance No. **11-0624.02** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont SentryGlas® Interlayer**" dated 08/25/11, expiring on 01/14/17.
2. Notice of Acceptance No. **11-0624.01** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB Interlayer**" dated 09/08/11, expiring on 12/11/16.
3. Notice of Acceptance No. **10-0331.02** issued to **Cytec Industries, Inc.** for their "**Uvekol S Laminated Glass Interlayer**", dated 05/05/10, expiring on 02/08/14.

F. STATEMENTS

1. Statement letter of conformance, complying with FBC-2010, and of no financial interest, dated February 21, 2012, signed and sealed by Javad Ahmad, P.E.
2. Laboratory compliance letter for Test Report No. **FTL-5276**, issued by Fenestration Testing Laboratories, Inc., dated 07/06/07, signed and sealed by Carlos S. Rionda, P.E.
(Submitted under previous NOA No. 07-1120.10)
3. Laboratory compliance letter for Test Reports No. **FTL-2782** and **FTL-2784**, issued by Fenestration Testing Laboratories, Inc., dated 11/06/01 and, signed and sealed by Luis Figueredo, P.E.; and for Test Report No. **FTL-3803**, dated 05/22/03, signed and sealed by Joseph Chan, P.E.
(Submitted under previous NOA No. 03-0925.04)
4. Laboratory compliance letter for Test Report No. **ATL 0806.02-02** issued by American Testing Lab of South Florida, Inc., dated 09/24/02, signed and sealed by William R. Mehner, P.E.
(Submitted under previous NOA No. 03-0925.04)

G. OTHERS

1. Notice of Acceptance No. **10-1214.13**, issued to T. M. Windows, LLC for their Series "338" Aluminum Fixed Window – L.M.I", approved on 03/31/11 and expiring on 01/08/14.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 12-0309.06
Expiration Date: January 08, 2014
Approval Date: May 17, 2012

SERIES 338 ALUMINUM FIXED WINDOW

DESIGN LOAD RATING FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEETS 2 AND 3.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF FIXED/FIXED OR FIXED WITH OTHER MIAMI-DADE COUNTY APPR'D WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN.
LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

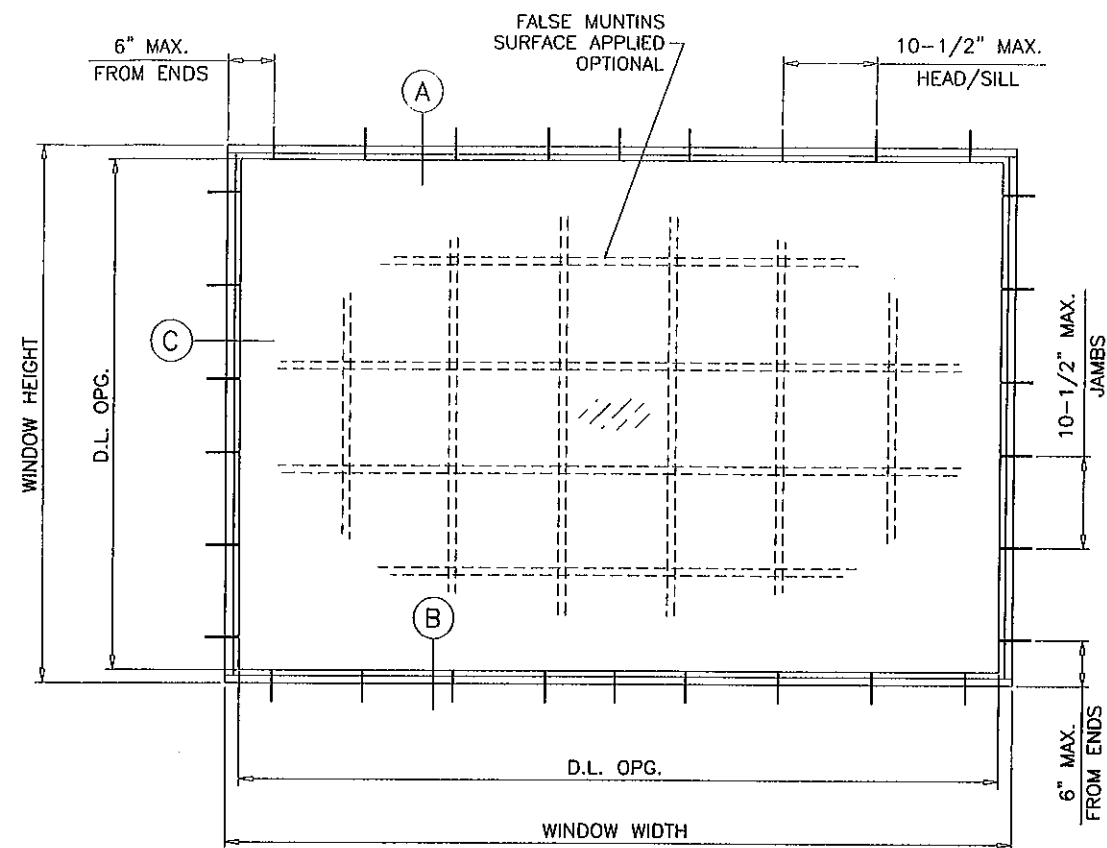
ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

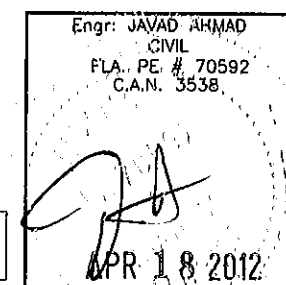
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE SECTION 2003.8.4.

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.



TYPICAL ELEVATION



PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0309.06
Expiration Date JAN. 8, 2014
By *Mamuk Poo*
Miami Dade Product Control

revisions:		no	date	by	description
F	03.30.09				NO CHANGE THIS SHEET
G	09.29.10				GENERAL REVISION
H	03.03.11				REV. PER BCCO COMMENTS
I	02.22.12				UPDATED TO 2010 FBC

date:	07-11-03
scale:	1/2"=1'-0"
dr. by:	HAMID
chk. by:	

drawing no.
W03-52

sheet 1 of 5

SERIES 338 ALUMINUM FIXED WINDOW (L.M.I.)

T.M. WINDOWS LLC.

601 N.W. 12TH AVE.

POMPANO BEACH, FL. 33069

TEL. (954) 781-4430 FAX. (954) 781-5078

AL-FAROOQ CORPORATION

ENGINEERS & PRODUCT DEVELOPMENT

1235 S.W. 87 AVE

MIAMI, FLORIDA 33174

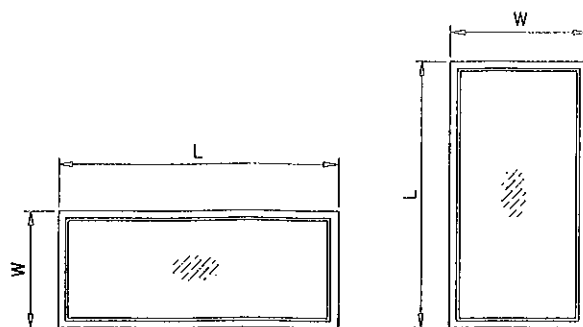
TEL. (305) 264-8100 FAX. (305) 262-6978

COMP-ANL\W03-52TMW

DESIGN LOAD CAPACITY - PSF					
WINDOW DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'	
WIDTH	LENGTH	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
36"	48"	80.0	80.0	80.0	80.0
42"		80.0	80.0	80.0	80.0
48"		72.1	72.1	80.0	80.0
54"		72.1	72.1	80.0	80.0
60"		65.1	65.1	80.0	80.0
66"		58.0	58.0	80.0	80.0
72"		X X	X X	80.0	80.0
36"	60"	73.7	73.7	80.0	80.0
42"		68.6	68.6	80.0	80.0
48"		65.1	65.1	80.0	80.0
54"		60.9	60.9	78.5	78.5
60"		X X	X X	70.7	70.7
66"		X X	X X	70.7	70.7
36"	72"	55.8	55.8	80.0	80.0
42"		53.8	53.6	80.0	80.0
48"		X X	X X	80.0	80.0
54"		X X	X X	78.5	78.5
36"	77"	52.0	52.0	80.0	80.0
42"		49.3	49.3	80.0	80.0
48"		X X	X X	80.0	80.0
53"		X X	X X	80.0	80.0
36"	84"	47.6	47.6	80.0	80.0
42"		X X	X X	80.0	80.0
48"		X X	X X	80.0	80.0
36"	96"	X X	X X	80.0	80.0
42"		X X	X X	80.0	80.0
36"	102"	X X	X X	80.0	80.0
36"	108"	X X	X X	80.0	80.0

DESIGN LOAD CAPACITY - PSF					
WINDOW DIMS.		GLASS TYPE 'A'		GLASS TYPE 'B'	
WIDTH	LENGTH	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
19-1/8"	26"	80.0	80.0	80.0	80.0
26-1/2"		80.0	80.0	80.0	80.0
37"		80.0	80.0	80.0	80.0
53-1/8"		80.0	80.0	80.0	80.0
19-1/8"	38-3/8"	80.0	80.0	80.0	80.0
26-1/2"		80.0	80.0	80.0	80.0
37"		80.0	80.0	80.0	80.0
53-1/8"		80.0	80.0	80.0	80.0
19-1/8"	50-5/8"	80.0	80.0	80.0	80.0
26-1/2"		80.0	80.0	80.0	80.0
37"		80.0	80.0	80.0	80.0
53-1/8"		68.3	68.3	80.0	80.0
19-1/8"	63"	80.0	80.0	80.0	80.0
26-1/2"		80.0	80.0	80.0	80.0
37"		68.2	68.2	80.0	80.0
53-1/8"		X X	X X	80.0	80.0
19-1/8"	74-1/4"	80.0	80.0	80.0	80.0
26-1/2"		78.6	78.6	80.0	80.0
37"		53.3	53.3	80.0	80.0
53-1/8"		X X	X X	80.0	80.0
19-1/8"	77"	80.0	80.0	80.0	80.0
26-1/2"		76.2	76.2	80.0	80.0
37"		51.2	51.2	80.0	80.0
53-1/8"		X X	X X	80.0	80.0

NOTE:
EXTERIOR PLY OF GLASS TYPE 'A' MUST BE TEMPERED
TO QUALIFY FOR SMALL MISSILE IMPACT.

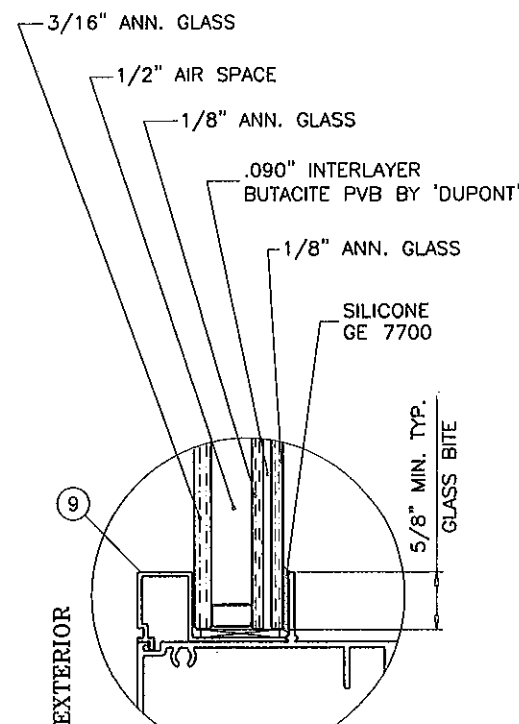


NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED
VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.

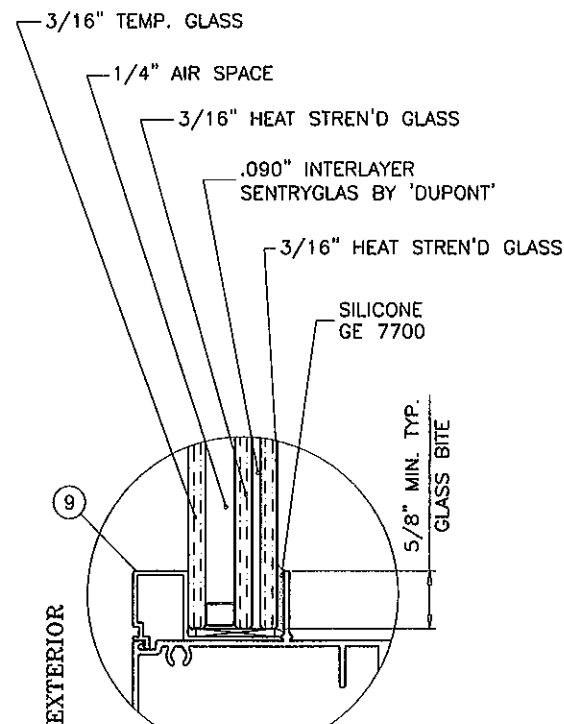
NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-04 (3 SEC. GUSTS).

DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		GLASS TYPE 'C'	
WIDTH	LENGTH	EXT. (+)	INT. (-)
36"	48"	75.0	75.0
42"		75.0	75.0
48"		75.0	75.0
54"		75.0	75.0
60"		75.0	75.0
66"		75.0	75.0
72"		75.0	75.0
36"	60"	75.0	75.0
42"		75.0	75.0
48"		75.0	75.0
54"		75.0	75.0
60"		72.0	72.0
66"		72.0	72.0
72"		72.0	72.0
36"	72"	75.0	75.0
42"		75.0	75.0
48"		75.0	75.0
54"		75.0	75.0
36"	84"	75.0	75.0
42"		75.0	75.0
48"		75.0	75.0
54"		75.0	75.0
36"	96"	75.0	75.0
42"		75.0	75.0
48"		75.0	75.0
36"	102"	75.0	75.0
42"		75.0	75.0
36"	108"	75.0	75.0
42"		75.0	75.0
36"	114"	75.0	75.0
42"		75.0	75.0
36"	120"	75.0	75.0
42"		75.0	75.0
36"	126"	75.0	75.0
42"		75.0	75.0

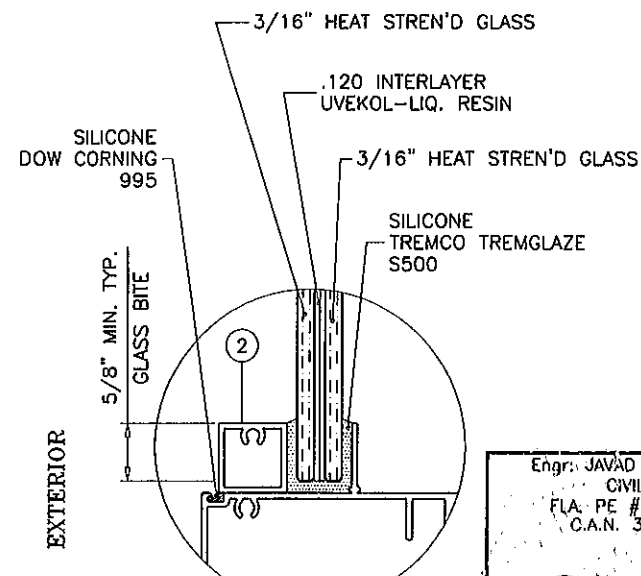
DESIGN LOAD CAPACITY - PSF			
WINDOW DIMS.		GLASS TYPE 'C'	
WIDTH	LENGTH	EXT. (+)	INT. (-)
19-1/8"	26"	75.0	75.0
26-1/2"		75.0	75.0
37"		75.0	75.0
53-1/8"		75.0	75.0
19-1/8"	38-3/8"	75.0	75.0
26-1/2"		75.0	75.0
37"		75.0	75.0
53-1/8"		75.0	75.0
19-1/8"	50-5/8"	75.0	75.0
26-1/2"		75.0	75.0
37"		75.0	75.0
53-1/8"		75.0	75.0
19-1/8"	63"	75.0	75.0
26-1/2"		75.0	75.0
37"		75.0	75.0
53-1/8"		75.0	75.0
19-1/8"	74-1/4"	75.0	75.0
26-1/2"		75.0	75.0
37"		75.0	75.0
53-1/8"		75.0	75.0



GLASS TYPE 'A'
1" NOMINAL INSUL. LAM. GLASS



GLASS TYPE 'B'
15/16" NOMINAL INSUL. LAM. GLASS



GLASS TYPE 'C'

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
APR 18 2012

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0309-06
Expiration Date JAN. 2, 2014
By Manuel Perez
Miami Dade Product Control

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP - ANL W03-52TMM

SERIES 338 ALUMINUM FIXED WINDOW (L.M.I.)

T.M. WINDOWS LLC.
601 N.W. 12TH AVE.
POMPANO BEACH, FL. 33069
TEL. (954) 781-4430 FAX. (954) 781-5078

no	date	by	description
F	03.30.09		CHART REV.
G	09.29.10		GENERAL REVISION
H	03.03.11		REV. PER BOCO COMMENTS
I	02.22.12		UPDATED TO 2010 FBC

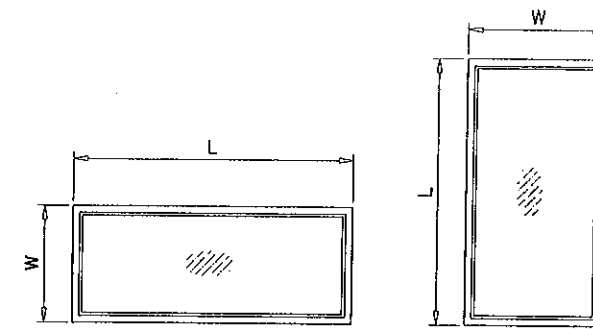
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dr. by: HAMID
chk. by:

drawing no.
W03-52
sheet 2 of 5

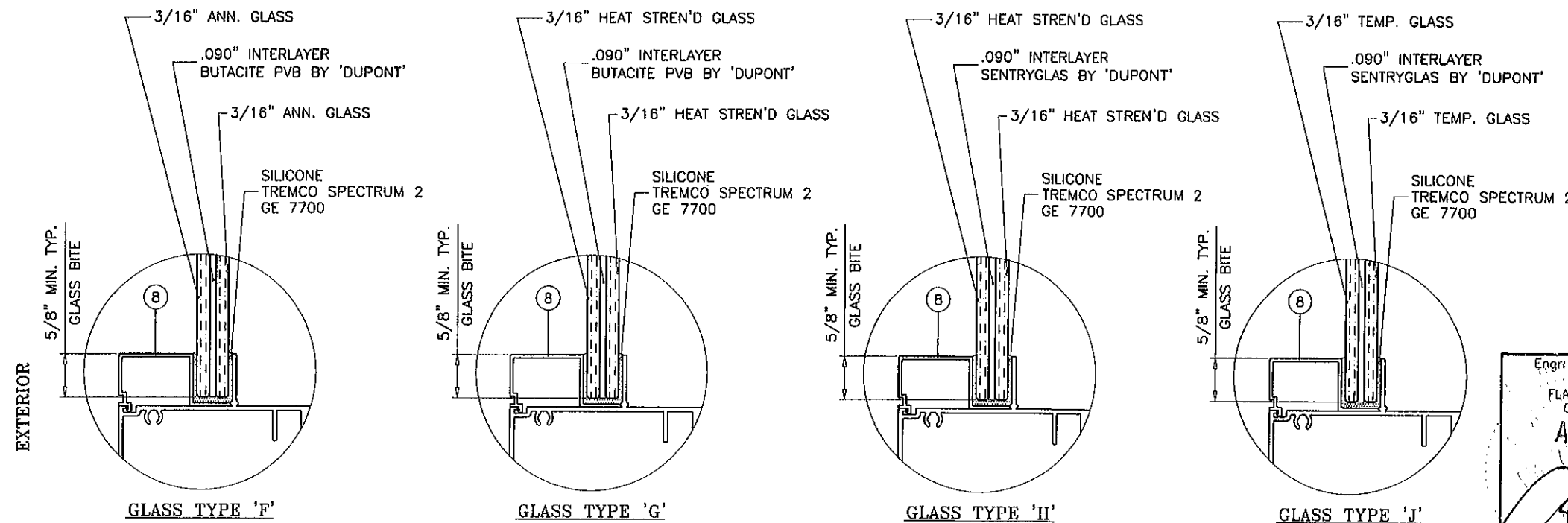
DESIGN LOAD CAPACITY - PSF									
WINDOW DIMS.		GLASS TYPE 'F'		GLASS TYPE 'G'		GLASS TYPE 'H'		GLASS TYPE 'J'	
WIDTH	LENGTH	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
36"	48"	80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
42"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
48"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
54"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
60"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
66"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
72"		76.5	76.5	90.0	90.0	90.0	111.0	90.0	135.0
36"	60"	80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
42"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
48"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
54"		71.1	71.1	80.0	80.0	80.0	98.7	80.0	124.4
60"		64.0	64.0	72.0	72.0	72.0	88.8	72.0	112.0
66"		64.0	64.0	72.0	72.0	72.0	88.8	72.0	112.0
72"		64.0	64.0	72.0	72.0	72.0	88.8	72.0	112.0
36"	72"	80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
42"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
48"		76.5	76.5	90.0	90.0	90.0	111.0	90.0	135.0
54"		71.1	71.1	80.0	80.0	80.0	98.7	80.0	124.4
60"		64.0	64.0	72.0	72.0	72.0	88.8	72.0	112.0
36"	84"	80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
42"		69.8	69.8	90.0	90.0	90.0	111.0	90.0	137.1
48"		65.4	65.4	90.0	90.0	90.0	111.0	90.0	126.0
54"		64.1	64.1	80.0	80.0	80.0	98.7	80.0	117.9
36"	96"	75.9	75.9	90.0	90.0	90.0	111.0	90.0	140.0
42"		64.3	64.3	90.0	90.0	90.0	111.0	90.0	131.7
48"		59.8	59.8	90.0	90.0	90.0	111.0	90.0	120.0
36"	102"	73.9	73.9	90.0	90.0	90.0	111.0	90.0	140.0
42"		64.5	64.5	90.0	90.0	90.0	111.0	90.0	137.1
36"	108"	74.1	74.1	90.0	90.0	90.0	111.0	90.0	140.0
42"		61.3	61.3	90.0	90.0	90.0	111.0	90.0	127.7
36"	114"	74.0	74.0	90.0	90.0	90.0	111.0	90.0	140.0
36"	120"	74.0	74.0	90.0	90.0	90.0	111.0	90.0	140.0
36"	126"	72.7	72.7	90.0	90.0	90.0	111.0	90.0	140.0

DESIGN LOAD CAPACITY - PSF									
WINDOW DIMS.		GLASS TYPE 'F'		GLASS TYPE 'G'		GLASS TYPE 'H'		GLASS TYPE 'J'	
WIDTH	LENGTH	EXT. (+)	INT. (X)	EXT. (+)	INT. (X)	EXT. (+)	INT. (X)	EXT. (+)	INT. (X)
19-1/8"	26"	80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
26-1/2"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
37"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
53-1/8"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
19-1/8"	38-3/8"	80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
26-1/2"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
37"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
53-1/8"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
19-1/8"	50-5/8"	80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
26-1/2"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
37"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
53-1/8"		75.9	75.9	85.3	85.3	85.3	105.2	85.3	132.7
19-1/8"	63"	80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
26-1/2"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
37"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
53-1/8"		72.3	72.3	81.3	81.3	81.3	100.3	81.3	126.5
19-1/8"	74-1/4"	80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
26-1/2"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
37"		80.0	80.0	90.0	90.0	90.0	111.0	90.0	140.0
53-1/8"		71.4	71.4	81.3	81.3	81.3	100.3	81.3	126.5

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-04 (3 SEC. GUSTS).



NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE ORIENTED
VERTICALLY OR HORIZONTALLY AS SHOWN ABOVE.



GLAZING OPTIONS

Engr. JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
APR 18 2012

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0309.06
Expiration Date JAN. 8, 2014
By *Muhammad J. J.*
Miami Dade Product Control

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978

SERIES 338 ALUMINUM FIXED WINDOW (L.M.I.)

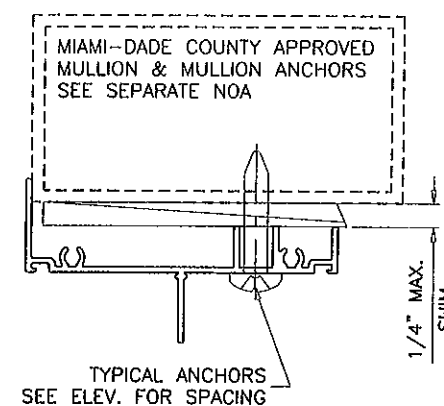
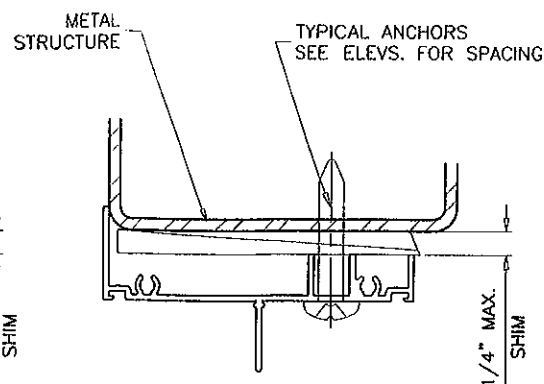
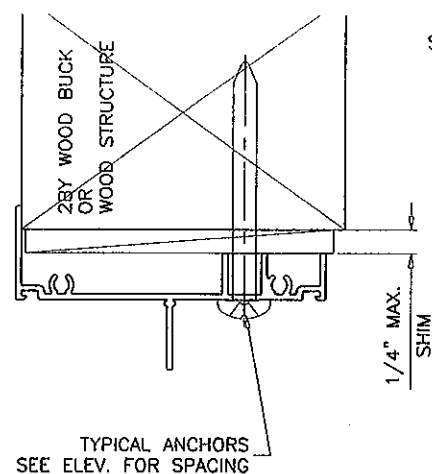
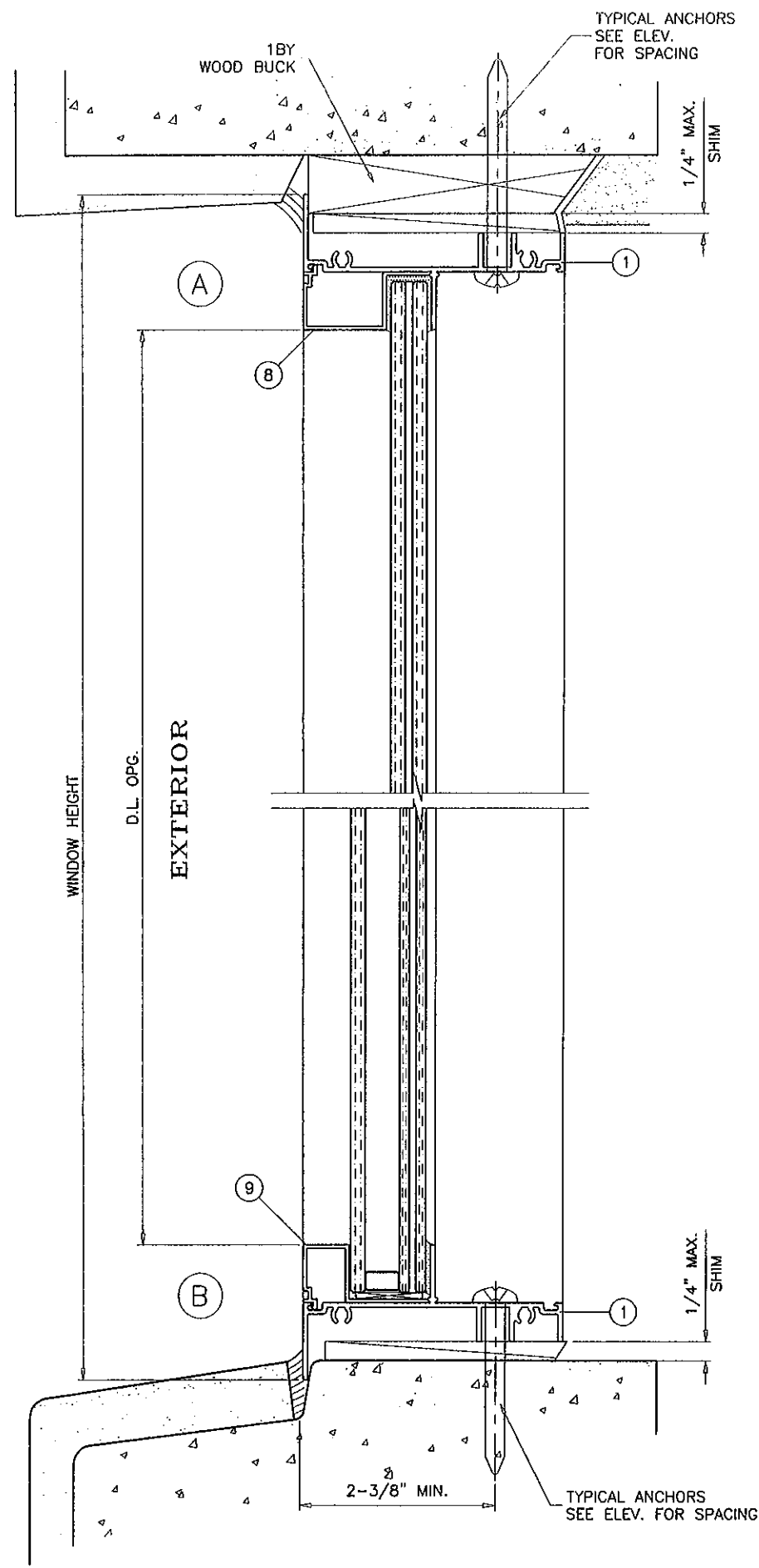
T.M. WINDOWS LLC.
601 N.W. 12TH AVE.
POMPANO BEACH, FL. 33069
TEL. (954) 781-4430 FAX. (954) 781-5078

revisions:

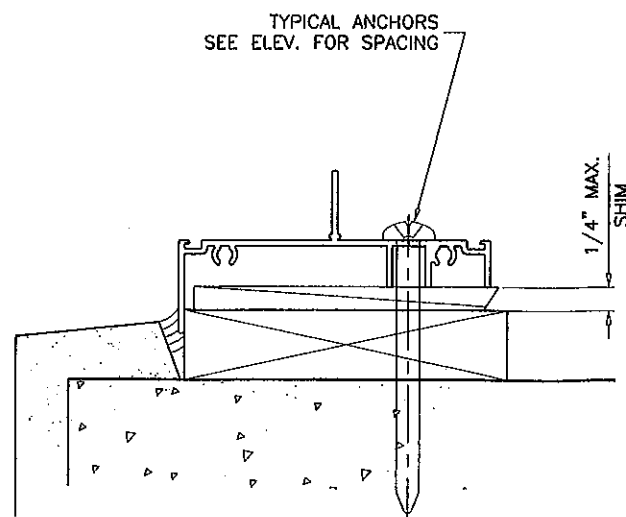
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G	09.29.10	GENERAL REVISION	
H	10.03.11	NO CHANGE THIS SHEET	
I	02.22.12	UPDATED TO 2010 FBC	

date: 07-11-03
scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W03-52
sheet 3 of 5



WOOD BUCKS AND METAL STRUCTURE NOT BY TM WINDOWS
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. TAPCON BY 'ITW' ($F_u=120$ KSI, $F_y=92$ KSI)

1/4" DIA. ULTRACON BY 'ELCO' ($F_u=177$ KSI, $F_y=155$ KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES

1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR MASONRY

1-1/4" MIN. EMBED INTO CONC. OR MASONRY

DIRECTLY INTO CONC. OR MASONRY

1-1/4" MIN. EMBED INTO CONC. OR MASONRY

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)

INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = 1/8")

INTO METAL STRUCTURES

STEEL : 12 GA. MIN. ($F_y = 36$ KSI MIN.)

ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 2-3/8" MIN.

INTO WOOD STRUCTURE = 1" MIN.

INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD, SILL OR JAMBS $f'_c = 3000$ PSI MIN.

C-90 HOLLOW/FILLED BLOCK AT JAMBS $f'_m = 2000$ PSI MIN.

SEALANT:

FRAME CORNERS SEALED WITH ACRYLIC SEALANT.

Engr: JAVAD AHMAD
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Expiration Date JAN. 8, 2014
By *Manuel Perez*
Miami Dade Product Control

AL-FAROOQ CORPORATION
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12335 S.W. 87 AVE
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COMP-ANL\W03-52TMMW

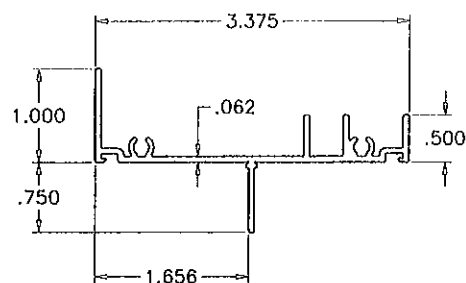
SERIES 338 ALUMINUM FIXED WINDOW (L.M.I.)
T.M. WINDOWS LLC.
601 N.W. 12TH AVE.
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revisions:	no	date	by	description
	F	03.30.09		REV. PER BCCO COMMENTS
	G	09.29.10		GENERAL REVISION
	H	03.03.11		REV. PER BCCO COMMENTS
	I	02.22.12		NO CHANGE THIS SHEET

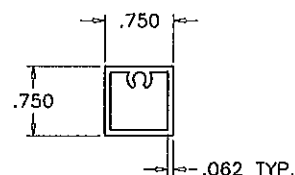
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scale: 1/2" = 1"
dr. by: HAMID
chk. by:

drawing no.
W03-52

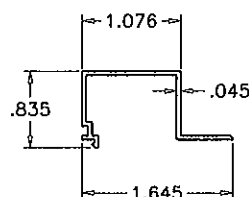
sheet 4 of 5



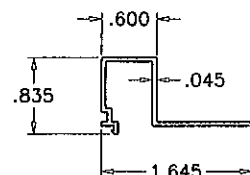
① WINDOW FRAME



② GLAZING STOP TUBE

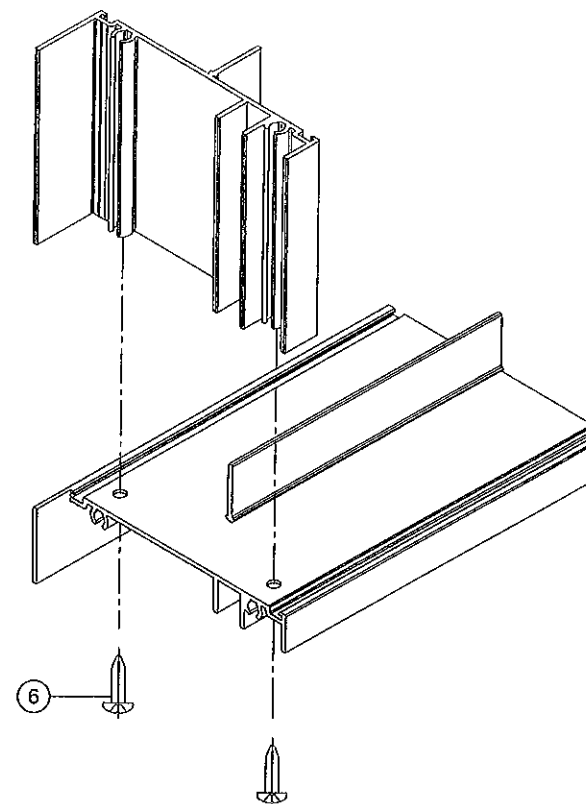
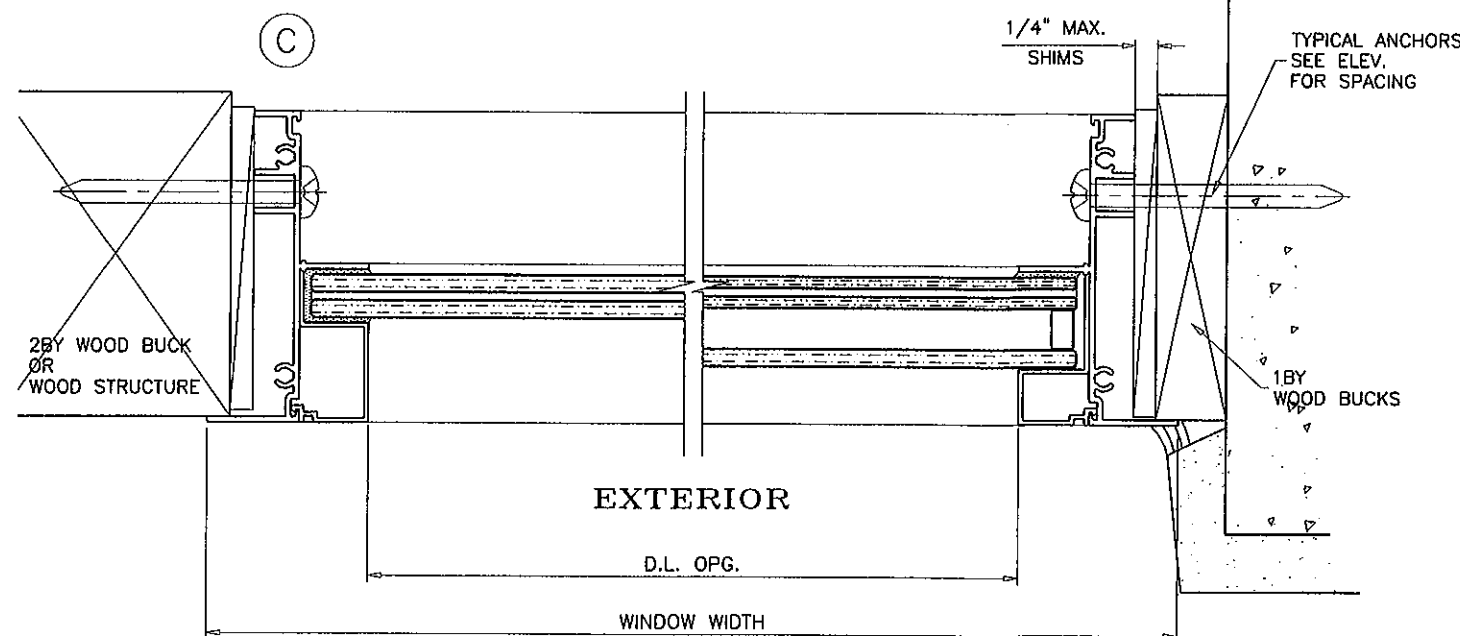
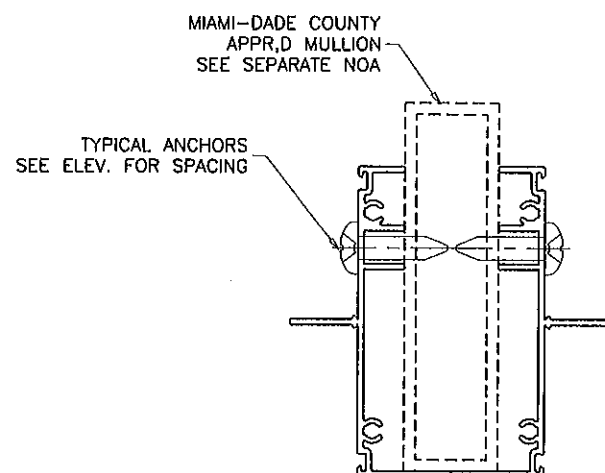


⑧ GLAZING BEAD (LAM. GLASS)

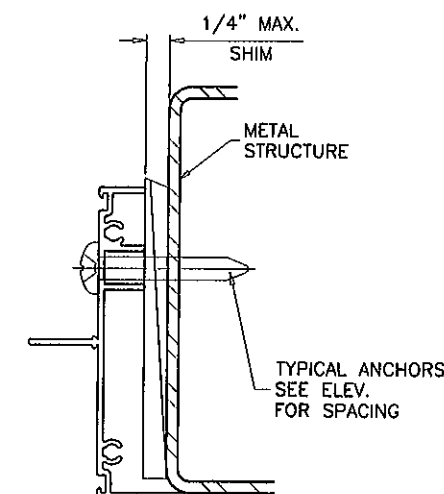


⑨ GLAZING BEAD (INSUL. LAM. GLASS)

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	GW-35277-A	4	WINDOW FRAME	6063-T6	-
2	1296	AS REQD.	GLAZING STOP TUBE	6063-T5	-
6	#10 X 1"	-	FRAME ASSEMBLY SCREWS	-	P.H. SMS
8	TM-174	AS REQD.	GLAZING BEAD (LAM. GLASS)	6063-T5	-
9	-	AS REQD.	GLAZING BEAD (INSUL. LAM. GLASS)	6063-T6	-



TYP. CORNER DETAIL




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CIVIL
FLA. PE # 70592
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by: Manuel Perez
Miami Dade Product Control



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date: 07-11-03

scale: 1/2" = 1"

dr. by: HAMID

chk. by:

drawing no.
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sheet 5 of 5